Name:

*Mr. Tiénou-Gustafson & Mr. Bielmeier*

Geometry, Period

Due Date: Tue, 10 Feb 2015

**Geometry**

**Homework**





**Use ratios to solve the problems below. Show your work. Round to the nearest hundredth if needed.**



1. 
2. 

**Other Review for the THURSDAY TEST!**

***(Test includes Pythagorean theorem, distance formula, triangle types, congruent triangles, ratios & similar triangles)***

1. Make a rough sketch of a standard (x, y) coordinate plane with points A (-6, 2) and B (3, -4):
2. Use the distance formula to find in simplified radical form.

1. Draw a triangle with as one side. Create the second side parallel to   
   the y-axis and the third side parallel to the x-axis. What kind of triangle  
   is this (categorized by angle and side)?

1. Use the Pythagorean theorem to find the length of to the hundredth.

1. Find the slope (“m”) of the line , then solve for the y intercept (“b”), and finally write an equation for the line in point-slope form.

1. If a line parallel to line passed through the origin (0, 0) and point D (4n, 8), what would be the value   
   of n? What would be the actual coordinate of point D?

1. If right triangle XYZ had a leg of 6 and a hypotenuse of , would it be congruent to the triangle you created in part c? Why or why not? (Include a drawing)

1. Given ∆QRS ~ ∆XYZ and has a shorter leg of 8, find the length of the longer leg.  
   (Bonus if you can solve two different ways and show or explain why both work!)